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IN THE CLAIMS:

Courtesy copy of the unamended claims:

1. (previously presented) A method in a wireless communication system for determining a location of a target mobile station (MS) having a long-range wireless communication system link with a location server and a short-range wireless link with a plurality of reporting devices, the method comprising the steps of:

obtaining a first location information from the target MS using the wireless communication system link and storing the first location information in a location server of the system;

communicating by a plurality of reporting devices with the target MS using the short-range wireless link and storing location information corresponding to the target MS including the identity of the target MS in the plurality of reporting devices; and

while failing, by the location server, to obtain location information from the target MS:

defining a subset of the plurality of reporting devices;

eliciting, by the location server, the location information corresponding to the target MS from the subset; and

combining portions of the elicited location information corresponding to the target MS to determine the location of the target MS.

2. (previously presented) The method of claim 1,
wherein the location of each of the plurality of reporting devices is known to at least one of the reporting device and the location server, and
wherein the defining step comprises the step of defining the subset to include the plurality of reporting devices whose locations are less than a predetermined distance from the target MS, as estimated based upon the first location information.

3. (original) The method of claim 1, wherein the defining step comprises the step of

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defining the subset to include all the plurality of reporting devices within range of one of a cell and an area, in which the target MS was last located.

4. (previously presented) The method of claim 1, wherein the defining step comprises the steps of:
 - defining a time period; and
 - defining the subset to be all reporting devices which stored location information corresponding to the target MS during the time period.
5. (original) The method of claim 1, wherein the defining step is performed in a portion of the wireless communication system exclusive of the plurality of reporting devices.
6. (original) The method of claim 1, wherein the defining step is performed in the plurality of reporting devices according to a set of subset-selection rules.
7. (original) The method of claim 1, wherein the eliciting step comprises the steps of:
 - identifying the target MS to the subset; and
 - requesting the subset to report the location information corresponding to the target MS.
8. (original) The method of claim 1,
 - wherein the location information includes a time stamp identifying when the target MS was at a reported location, and
 - wherein the combining step comprises the step of extrapolating a current location of the target MS from a last reported location and time and at least one of another reported location and time, and a reported velocity.

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9. (previously presented) The method of claim 1, wherein eliciting by the location server, of the location information from at least one of the reporting devices in the subset is done over a long-range link connecting the location server and the at least one of the reporting devices.

10. (original) The method of claim 1, further comprising in a reporting device the steps of:

receiving a request to report the location information corresponding to the target MS; and

attempting to contact the target MS to determine the location of the target MS, in response to receiving the request.

11. (previously presented) A location server in a wireless communication system for determining a location of a mobile station (MS), the location server comprising:

a communication interface;

a processor coupled to the communication interface for controlling the communication interface to communicate, via a long-range wireless communication system link, with a target MS and with a plurality of reporting devices to obtain location information corresponding to the target MS including the identity of the target MS; and

a database coupled to the processor for storing the location information, wherein the processor is programmed to, while failing to obtain location information from the target MS using the long-range wireless communication system link:

define a subset of the plurality of reporting devices;

elicit location information corresponding to the target MS from the reporting devices in the subset, the location information having been obtained by the reporting devices in the subset using a short-range wireless link between the target MS and the reporting devices in the subset; and

combine portions of the elicited location information corresponding to the target MS to determine the location of the target MS.

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12. (original) The location server of claim 11,
wherein the location of each of the plurality of reporting devices is known to at least one of the reporting device and the location server, and
wherein the processor is further programmed to define the subset to include the plurality of reporting devices whose locations are less than a predetermined distance from the target MS, as estimated based upon the location information.
13. (original) The location server of claim 11, wherein the processor is further programmed to define the subset to include all the plurality of reporting devices within range of one of a cell and an area, in which the target MS was last located.
14. (original) The location server of claim 11, wherein the processor is further programmed to:
identify the target MS to the subset; and
request the subset to report the location information corresponding to the target MS.
15. (original) The location server of claim 11,
wherein the location information includes a time stamp identifying when the target MS was at a reported location, and
wherein the processor is further programmed to extrapolate a current location of the target MS from a last reported location and time and at least one of another reported location and time, and a reported velocity.
16. (previously presented) A reporting device in a wireless communication system for determining a location of a target mobile station (MS), the reporting device comprising:
a processor for controlling the reporting device, the processor comprising a memory; and

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a first transceiver coupled to the processor for cooperating with the processor to communicate with the target MS, via a short-range wireless link, for obtaining and storing in the memory location information corresponding to the target MS including the identity of the target MS; and

a second transceiver coupled to the processor for cooperating with the processor to communicate with a location server of the wireless communication system, via the long-range wireless link,

wherein the processor is programmed to cooperate with the transceiver to:

receive, on the long-range wireless communication system link, from the location server, while the location service has failed to obtain location information from the target MS, a message eliciting the location information corresponding to the target MS from a subset of a plurality of reporting devices; and

communicate the elicited location information corresponding to the target MS to the location server when the reporting device is a member of the subset.

17. (previously presented) The reporting device of claim 16 further comprising a location determining element coupled to the processor for determining the location of the reporting device,

wherein the processor is further programmed to:

control the first transceiver to limit communication range between the reporting device and the target MS to that of a short-range link;

communicate with the target MS; and

store the location of the reporting device as the location of the target MS.

18. (original) The reporting device of claim 16, wherein the processor is further programmed to:

receive a request to report the location information corresponding to the target MS; and

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attempt to contact the target MS to determine the location of the target MS, in response to receiving the request.

19. (original) The reporting device of claim 16, wherein the reporting device is a mobile wireless device similar to the target MS.

20. (original) The reporting device of claim 16, wherein the reporting device is a fixed, wired device.